

MODEL: S3H & S3HX—Solids Handling Sewage Pump

R.P.M.	1750			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	B (3Ø) L (1Ø)			
GENERAL INSULATION CLASS	F			
STATOR WINDING CLASS	F			
MAXIMUM STATOR TEMPERATURE	311°F (155°C)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO IN THREE PHASE			
ELECTRICAL RATINGS	HEAT	24VDC	115VAC	230VAC
	SENSOR	5AMPS	5AMPS	5AMPS
	SEAL FAIL	300VAC 5mA		
VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LOCK. RTTR. AMPS	RUN KW	START KVA	RUN KVA	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL		
1.0	230	3	L	1.2	8.7	9.8	40.3	1.4	9.3	2.0	.55	.53	.48	.40	.73	.71	.64	.56		
	200				4.5	5.0	31.8													
	460				3.9	4.4	27.7	1.2	11.0	1.6	.65	.62	.57	.47	.80	.78	.73	.65		
	575				1.9	2.2	13.8													
2.0	230	3	L	1.2	12.8	14.8	62.0	2.4	14.3	2.9	.63	.63	.60	.54	.84	.81	.75	.66		
	200				7.8	8.8	46.0													
	460				6.8	7.7	40.0	2.1	15.9	2.7	.74	.73	.70	.63	.79	.76	.70	.59		
	575				3.4	3.8	20.0													
3.0	230	3	J	1.2	17.1	20	79	3.3	18.2	3.9	.67	.67	.65	.57	.88	.85	.80	.71		
	200				10.9	12.8	64.5													
	460				9.5	11.1	56	3.1	22.3	3.8	.73	.72	.70	.64	.83	.82	.80	.72		
	575				4.8	5.6	28													
					3.8	4.5	22.5													

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ELECTRICAL RATINGS	HEAT SENSOR	24VDC 5AMPS	115VAC 5AMPS	230VAC 5AMPS
	SEAL FAIL	300VAC 5mA		
VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LCKD. RTTR. AMPS	RUN kW	START KVA	RUN KVA	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
1.0	200	1	K	1.2	9.4	10.2	43.5	1.3	8.7	1.9	.59	.57	.52	.43	.75	.70	.65	.54
	230				8.2	8.9	37.8											
1.0	200	3	J	1.2	4.3	5.0	20.7	1.1	7.2	1.5	.71	.70	.68	.61	.74	.71	.64	.54
	230				3.8	4.3	18											
	460				1.9	2.2	9											
	575				1.5	1.7	7.2											